	ATTY. DOCKET NO.: B0801/7237
FILING DATE: 12/05/01	
APPLICANT: Wessels et al.	
GROUP ART UNIT: Unknown	EXAMINER: Unassigned
_	APPLICANT: Wessels et al.

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Do	cument	Name of Patentee or Applicant of Cited	Date of Publication or of issue
Initials#	No.	Number	Kind Code	Document	of Cited Document MM-DD-YYYY
VH	A1	4,141,973	B1	Balazs	02/27/1979
	A2	4,636,524	B1	Balazs et al.	01/13/1987
	A3	4,851,521	B1	della Valle et al.	07/25/1989
	A4	5,280,042	B1	Lopes	01/18/1994
	A5	5,631,241	B1	della Valle et al.	05/20/1997
	A6	5,679,655	B1	Gallina	10/21/1997
	A7	5,686,089	B1	Mitra et al.	11/11/1997
	A8	5,709,873	B1	Bar-Shalom et al.	01/20/1998
	A9	5,872,109	B1	Akima et al.	02/16/1999
	A10	5,880,108	B1	Morales et al.	03/09/1999
	A11	5,942,245	B1	Katinger et al.	08/24/1999
	A12	6,001,356	B1	Mikecz et al.	12/14/1999
	A13	6,048,844	B1	Falk et al.	04/11/2000
7	A14	6,110,908	B1	Guthery	08/29/2000

FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Cite Foreign Patent Document		ıment	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
		Office/ Country	Number	Kind Code	(mot monoccown)	Cited Document MM-DD-YYYY	(Y/N)
APIX	Bl	wo	84/04453	A1	Andersson et al.	11/22/1984	
}	B2	EP.	0 480 189	B1	Altergon S.A.	04/15/1992	
	В3	EP	0 769 298	A2	Laboratori Baldacci Spa	04/23/1997	
V	B4	JP	10182390		Lion Corp. Abstract	07/07/1998	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Cite		Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the	Translation
Initials#	No	item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue	(Y/N)
		number(s), publisher, city and/or country where published.	
a.At	C1	Bioiberica S.A., "Glycosaminoglycan News", January 2000, Issue 9,	
7rH	ļ	http://www.bioiberica.com/eng/publications/pdf/news14.pdf	
1	C2	"Thronase Natural Spray" November 7, 2001, Pages 1-17, http://www.twherbal.com/tro2.html	
	C3	ASHBAUGH, C.D. et al., "Molecular Analysis of the Role of the Group A Streptococcal Cysteine Protease, Hyaluronic Acid Capsule, and M Protein in a Murine Model of Human Invasive Soft-Tissue Infection", J. Clin.	
		Invest., August 1998, Pages 550-560, Vol. 102, No. 3, The American Society for Clinical Investigation, Inc.	
	C4	ASHBAUGH, C.D. et al., "Bacterial Determinants of Virulence and Immune Response in a Baboon Model of Group A Streptococcal Pharyngeal Infection", ASM 99 th General Meeting, Chicago, IL, Session No. 149/D/B, June 1999, Page 240, Abstract D/B-160	
	C5	CHOI, S.H. et al., "Purification of a Streptococcus mutans Protein That Binds to Heart Tissue and	
		Glycosaminoglycans", Infection and Immunity, December 1989, Pages 3834-3840, Vol. 57, No. 12, American	
- W	L	Society for Microbiology	

		1/2	C6	COURTNEY, H.S. et al., "Aggregation of Group A Streptococci by Human Saliva and Effect of Saliva on Streptococcal Adherence to Host Cells", <i>Infection and Immunity</i> , May 1991, Pages 1661-1666, Vol. 59, No. 5,	
	' /	K		American Society for Microbiology	
	•	•	C7	COURTNEY, H.S. et al., "M protein mediated adhesion of M type 24 Streptococcus pyogenes stimulates release	
	0	IPA	Į	of interleukin-6 by Hep-2 tissue culture cells", FEMS Microbiology Letters, June 1, 1997, Pages 65-70, Vol.	
λ			\	151, No. 1, Elsevier Science B.V. CYWES, C. et al., "CD44 as a receptor for colonization of the pharynx by group A Streptococcus", The Journal	
/	FFR 1		36,8	of Clinical Investigation, October 2000, Pages 995-1002, Vol. 106, No. 8	
PATE	reu i	7 2002	C 9	DALE, J.B. et al., "Hyaluronate Capsule and Surface M Protein in Resistance to Opsonization of Group A	
(7	, '	1	100 A	Streptococci", Infection and Immunity, May 1996, Pages 1495-1501, Vol. 64, No. 5, American Society for	[[
V	œ <u></u>	عبا	<u> </u>	Microbiology	
	RADE	MARK	C10	GERLACH, D. et al., "Identification of a Novel Lectin in Streptococcus pyogenes and Its Possible Role in	1
.				Bacterial Adherence to Pharyngeal Cells", Current Microbiology, 1994, Pages 331-338, Vol. 28, Springer-Verlag New York, Inc.	
ı			C11	GRYLLOS, I. et al., "Regulation of capsule gene expression by group A Streptococcus during pharyngeal	
	- 1			colonization and invasive infection", Molecular Microbiology, 2001, Pages 61-74, Vol. 42, No. 1, Blackwell	
٠				Science Ltd.	
			C12	GUSTAFSON. S. et al., "Histochemical Studies of Hyaluronan and the Hyaluronan Receptor ICAM-1 in Psoriasis", Int. J. Tiss. Reac., 1995, Pages 167-173, Vol. XVII, No. 4	
ŀ			C13	HAGMAN, M.M. et al., "Comparison of adherence to and penetration of a human Laryngal epithelial cell line	
	[by group A streptococci of various M protein types", FEMS Immunology and Medical Microbiology, 1999, Pages 194-204, Vol. 23, Elsevier Science B.V.	
Ī			C14	HOLMES, A.R. et al., "Candida albicans Binding to the Oral Bacterium Streptococcus gordonii Involves	
				Multiple Adhesin-Receptor Interactions", Infection and Immunity, November 1996, Pages 4680-4685, Vol. 64,	
				No. 11, American Society of Microbiology	
			C15	HUSMANN, L.K. et al., "Streptococcus pyogenes infection in mice", Microbial Pathogenesis, 1996, Pages 213-224, Vol. 20, Academic Press Limited	
ŀ			C16	HUSMANN, L.K. et al., "Role of Putative Virulence Factors of Streptococcus pyogenes in Mouse Models of	
		ļ		Long-Term Throat Colonization and Pneumonia", <i>Infection and Immunity</i> , April 1997, Pages 1422-1430, Vol. 65, No. 4, American Society for Microbiology	
ı			C17	JIA, C. et al., "the effect of ultrapure hyaluronic acid with different molecular weights on the healing of porcine	
		1		full thickness skin wound", Zhongguo Xiu Fu Chong Jian Wai Ke Za Zhi, July 1998, Pages 197-200, Vol. 12,	
ļ		 		No. 4, Abstract	
		1	C18	KELLOGG, J.A., "Treatment Strategies for Group A Streptococcal Pharyngitis", Journal of Clinical Microbiology, June 1999, Pages 2138-2119, Vol. 37, No. 6	
ŀ		 	C19	KNUDSON, W., "The Role of CD44 as a Cell Surface Hyaluronan Receptor During Tumor Invasion of	
		Ĭ		Connective Tissue", Frontiers in Bioscience, July 1, 1998, Pages 604-615, Vol. 3	
			C20	MCEWAN, L.E. et al., "Research Report: Topical diclofenac/hyaluronic acid gel in the treatment of solar	
				keratoses", Australasian Journal of Dermatology, November 1997, Pages 187-189, Vol. 38, No. 4	
Ī		Ĭ,	C21	MOLINARI, G. et al., "The Fibronectin-Binding Protein of Streptococcus pyogenes, SfbI, is Involved in the	
,				Internalization of Group A Streptococci by Epithelial Cells", <i>Infection and Immunity</i> , April 1997, Pages 1357-1363, Vol. 65, No. 4, American Society of Microbiology	
'		1	C22	MOSES, A.E. et al., "Relative Contributions of Hyaluronic Acid Capsule and M Protein to Virulence in a	
8		h		Mucoid Strain of the Group A Streptococcus", Infection and Immunity, January 1997, Pages 64-71, Vol. 64, No. 1, American Society of Microbiology	
ļ	•		C23	PIRNAZAR, P. et al., "Bacteriostatic Effects of Hyaluronic Acid", J. Periodontol., April 1999, Pages 370-374,	
				Vol. 70, No. 4	
			C24	SCHRAGER, H.M. et al., "Hyaluronic Acid Capsule and the Role of Streptococcal Entry into Keratinocytes in	
		1		Invasive Skin Infection", J. Clin. Invest., November 1996, Pages 1954-1958, Vol. 98, No. 9, The American	
}			C25	Society for Clinical Investigation, Inc. SCHRAGER, H.M. et al., "The Hyaluronate-binding Protein CD44 is a Receptor for Attachment of Group A	
		1	(23	Streptococci (GAS) to Human Epidermal Keratinocytes", Abstracts of the IDSA 35 th Annual Meeting, Article	
				No. 88, 1997, Page 371	
t		\neg	C26	SCHRAGER, H.M. et al., "Hyaluronic Acid Capsule Modulates M Protein-mediated Adherence and Acts as a	
		1		Ligand for Attachment of Group A Streptococcus to CD44 on Human Keratinocytes", J. Clin. Invest., April 1998, Pages 1708-1716, Vol. 101, No. 8	
ŀ		-	C27	SOLDATI, D. et al., "Mucosal Wound Healing After Nasal Surgery, A Controlled Clinical Trial on the Efficacy	
				of Hyaluronic Acid Containing Cream", Drugs Exptl. Clin. Res., 1999, Pages 253-261, Vol. XXV, No. 6	
		-	C28	TAKAHASHI, K. et al., "Effects of Sodium Hyaluronate on Epithelial Healing of the Vesical Mucosa and	
		1.		Vesical Fibrosis in Rabbits with Acetic Acid Induced Cystitis", <i>The Journal of Urology</i> , August 2001, Pages 710-713, Vol. 166, American Urological Association, Inc.	
ļ		7	C29	WESSELS, M.R. et al., "Effects on Virulence of Mutations in a Locus Essential for Hyaluronic Acid Capsule	<u> </u>

M		Expression in Group A Streptococci", <i>Infection and Immunity</i> , February 1994, Pages 433-441, Vol. 62, No. 2, American Society of Microbiology	
	C30	WESSELS, M.R. et al., "Critical role of the group A streptococcal capsule in pharyngeal colonization and infection in mice", <i>Proc. Natl. Acad. Sci. USA</i> , December 1994, Pages 12238-12242, Vol. 91	
	C31	YAMAMOTO, H. et al., "A successful single-step endoscopic resection of a 40 millimeter flat-elevated tumor in the rectum: endoscopic mucosal resection using sodium hyaluronate", <i>Gastrointestinal Endoscopy</i> , November 1999, Pages 701-704, Vol. 50, No. 5, American Society for Gastrointestinal Endoscopy	
V	C32	ZHENG, Z. et al., "Monodonal Antibodies to CD44 and Their Influence on Hyaluronan Recognition", The Journal of Cell Biology, July 1995, Pages 485-495, Vol. 130, No. 2, The Rockefeller University Press	

	/		$\perp \perp$	L	
EXAMINER	II_{ℓ}	men 6	1	Nd	DATE CONSIDERED (0/0/3
			7		

#EXAMINER: Initial if reference considered, whether on not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1	1449/ A a	nd B (Modi	fied)		APPLICATION NO.: 10/005,200 ATTY.		Y. DOCKET NO.: B00801/70237		
INFO	RMA	TION DI	SCHOSURI		FILING DATE: December 5, 2001	CONF	RMATION NO.: 828	33	
STATEMENT BY APPLICANT SEP 3 0 2002					APPLICANT: Wessels et al.				
					GROUP ART UNIT:1646	EXAN	AINER: Unassigno	ed	
<u>-</u>		·	RADEM	ARIX	S. PATENT DOCUMENTS				
	Cite	U	I.S. Patent Docur		Name of Patentee or Applicant of	f Cited	Date of Publicati	on or of issue	
Examiner's Initials#	No.]	Number	Kin- Cod	Document		of Cited Document MM-DD-YYYY		
		_	·						
									
		 		+					
	<u> </u>			FO	REIGN PATENT DOCUMENTS		•		
Examiner's	Cite	Foreign Patent Document			Name of Patentee or Applicant of Cited		Date of Publication of Tran		
Initials#	No.	Office/ Country	Number	Kin Cod	(not necessary)		Cited Document MM-DD-YYYY	(Y/N)	
4/5	B8	JP	05320055		Denki Kagaku Kogyo KK Abstra	ct	12/03/1993		
	B9	JP	6-107,550	<u> </u>	Hiroshi Kurachi		04/19/1994	Y	
	B10	wo	00/44367	A2	Dermal Research Laboratories, In		08/03/2000		
\	B11	WO	02/09728	A1	Dermal Research Laboratories, In	c.	02/07/2002		
						·····			
Examiner's Initials#	Cite No		name of the auth book, magazine, j	or (in Ca journal, s	ON PATENT LITERATURE DOCUME APITAL LETTERS) title of the article (werial, symposium, catalog, etc.), date, relopublisher, city and/or country where pub	hen appro		Translation (Y/N)	
			$\int \int \int$						
EXAMINER		anes	na ffor	\mathcal{J}_{-}	DATE CONSIDERED	103			
	•		11		in conformance with MPEP 609; Draw line throu	r			



MAR 1 ? Date	4000/0000		
A and B (Modified) H CENTER	APPEICATION NO.:	10/005,200	ATTY. DOCKET NO.: B00801.70237.US
INFORMATION DISCLOSURE	FILING DATE:	December 5, 2001	CONFIRMATION NO.: 8283
STATEMENT BY APPLICANT	APPLICANT:	Michael R. Wessels	et al.
	GROUP ART UNIT:	1645	EXAMINER: Not yet assigned
			

U.S. PATENT DOCUMENTS

\j	Examiner's Initials	Cite No.	U.S. Patent Document Number Kind Code		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
	MY	A15	6,017,528		Fischetti, et al.	01-25-2000
-						

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.		eign Patent Docur	,	Name of Patentee or Applicant of Cited Document	Date of Publication of	Translation (Y/N)
		Office/ Country	Number	Kind Code	(not necessary) Cited Docu	Cited Document MM-DD-YYYY	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

	Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation	
	Initials	No	(book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s),	(Y/N)	
i	111		publisher, city and/or country where published.	, ,	
	11/1	C36	GREEN, SJ., et al, "Aggregation of macrophages and fibroblasts is inhibited by a monoclonal antibody to the		7
	VH		hyaluronate receptor." Exp. Cgll. Res. (1988 Oct), 178(2):224-232.		
	•				1

EXAMINER /		DATE CONSIDERED
EXAMINER 1/-	$\Omega C = L \mid \Delta \mid$	DATE CONSIDERED
	111 1-1-11	10/8/03
		10/8/08

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).